



“ [T]hese changes improve what was already an excellent and essential resource for my lab ”

*Sir Paul Nurse*  
*Director*  
*Francis Crick Institute*

“ It is easier to understand possible connections between your gene of interest and cellular processes ”

*Robertus de Bruin*  
*LMCB Group Leader*  
*University College London*

“ It is easier to use and more intuitive ”

*Professor Anthony Carr*  
*Director*  
*Genome Damage and Stability Centre*  
*University of Sussex*

# NEW POMBASE WEBSITE 2017

GROUP LEADER SURVEY  
SUMMARY  
&  
WEB USAGE  
STATISTICS

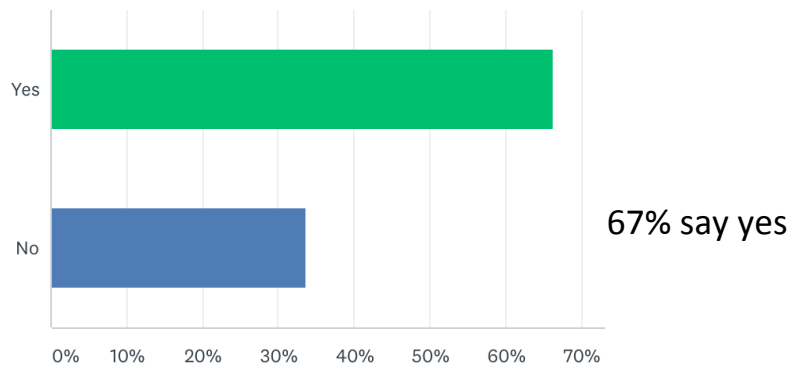
## SUMMARY

PomBase launched a new version of its website on 25th October 2017. Shortly thereafter, 100 fission yeast research group leaders were surveyed to gauge the impact of the site redesign.

Of the 75 who responded, about two thirds report using PomBase more frequently after the new version arrived, and a similar proportion have begun using two new page types that provide details for publications and genotypes. Respondents provided many positive, and very few negative, comments in free text, and made useful requests for new features and data, some of which are already available or under development.

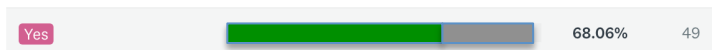
## INCREASED USAGE

Now that PomBase is updated daily, do you use the site more frequently?

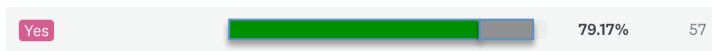


## NEW PAGE TYPES

Have you used the new publication pages?



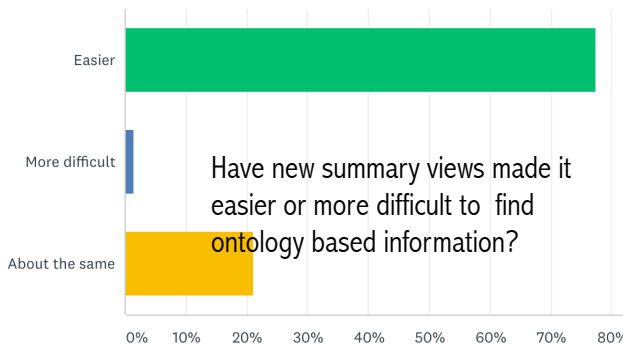
Have you used the new genotype pages?



Newly introduced pages are well received

## ONTOLOGY DATA PRESENTATION

We streamlined the summary view of ontology-based annotation data, enhanced existing ontology term pages and introduced filtering for phenotype data displayed. These were well received:



Non-redundant presentation helps people find information

## UPDATED ONTOLOGY TERM PAGES

“Great feature again”

“It helps **with identifying all pertinent information about a pathway quickly**”

“This feature **helps to fully understand ontology term**”

“[T]hat's a more **clear arrangement**, improvement”

“This is a **user-friendly system for what can be difficult information**”

## NEW PHENOTYPE FILTERING

“It's better to have this filtering system”

“This is a very **useful new feature and makes finding data much easier**”

“I love this feature. It helps **with identifying all genes involved in a certain pathway**”

“..be very helpful **when looking for mutants for specific traits, like cell cycle defect, drug sensitivity.**”

“is good feature for **mutant on which there is a lot of phenotype annotations**”

“excellent feature...**motivates to have a closer look at phenotypes** more frequently”

“I especially like to sort on the evidence so it is an improvement”

## TESTIMONIALS

### How will changes to the PomBase website affect your research productivity?

"My lab uses PomBase on a daily basis and it has been of tremendous help to us particularly with genomics projects such as analysis of the gene deletion collection. The daily updates are appreciated and in my opinion these changes **improve what was already an excellent and essential resource** for my lab...The new version is better mainly because it seems **very easy to find the data you are looking for**"

-Sir Paul Nurse, Director, Francis Crick Institute

"It becomes **easier to check known/published results** of genes of interest"

-Takashi Toda, Hiroshima University

"...Increased information, plus the "smoother" format, **enables finding important information for our research**"

-Gerald Smith, Fred Hutchinson Cancer Research Center

"PomBase is now both **easier to use and more informative**. Partly, it is the growing depth and breadth of information that makes PomBase now really useful"

-Richard McIntosh, University of Colorado

"**Save significant time**, so getting more done each day"

-Paul Russell, The Scripps Research Institute

"All ways in which the website simplifies my ability to access key data will increase the likelihood of being able to **make connections between data and phenotype**"

- Dan Mulvihill, University of Kent

"It is easier to understand **possible connections between your gene of interest and cellular processes**"

-Robertus de Bruin, UCL

"[S]trengthened for easier access. less time searching the page, **more time doing research!**"

-James Moseley, Dartmouth Medical School

"The new PomBase website **definitely increases my research productivity** by providing many useful features and by making previous features much easier to access and utilize. The new website is **significantly better** than the old one"

-Dom Helmlinger, CRBM Institute, Montpellier

"These changes open us up to **new ways of viewing and analyzing existing information** that enhance the work we are doing and open up new possible lines of research"

-Anonymous

"It is easier to use and **more intuitive**"

-Anthony Carr, Director, Genome Damage and Stability Centre, University of Sussex

"As I was just completing a grant application, the new **features helped me plan experiments for the coming years** by linking phenotypes, interactions and references in one place. The new site was a great help"

-Kurt Runge, Cleveland Clinic, Lerner Research Institute

"Easier and faster **to find relevant information** for a project"

-Sarah Lambert, Curie Institute

"Pretty much all changes have had a **positive impact on my research** and have improved the quality of this Website"

-Mo Motamedi, Harvard Medical School

"It is easier to **understand possible connections** between your gene of interest and cellular processes"

-Anonymous

"The new site is becoming more and more comprehensive, with frequent updates. However, it is designed so that large amounts of **information can be easily sorted/filtered to extract information I need**"

-Anonymous

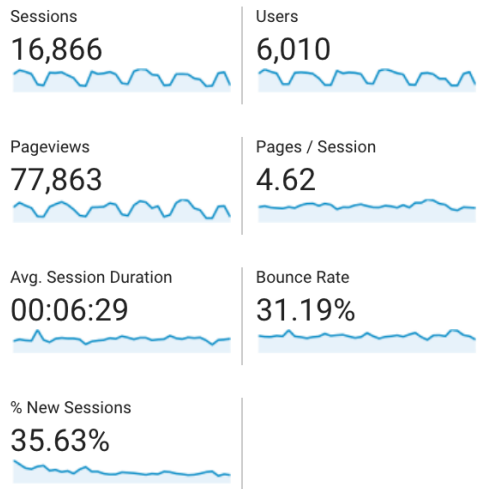
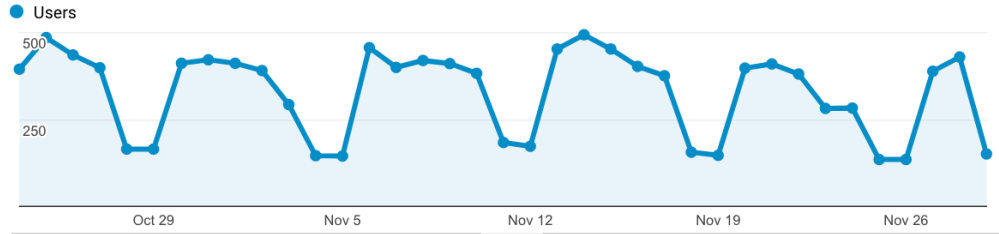
"I believe this is making it easier for me to **determine where to focus future experiments**"

-Anonymous

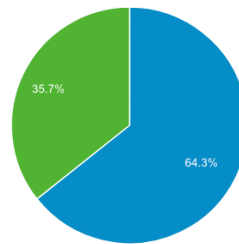
"All of these changes open us up to **new ways of viewing and analyzing existing information** that enhance the work we are doing and **open up new possible lines of research**"

-Anonymous

## USAGE METRICS



■ Returning Visitor ■ New Visitor



Unique users\*: ~500 per day; ~5,500 per month  
Average session duration: 6.3 minutes  
Average pages per session: 4.6

### • IMPORTANT

Our current usage statistics, obtained using Google Analytics, cannot be compared directly to previous statistics from EBI, because the former counts unique devices, whereas the EBI metrics are based on unique IP addresses. Because one device may connect via one or more IPs, the EBI numbers over-count devices (we estimate the difference to be approximately three-fold).

## GOOGLE TRENDS

● fungiDB

● ensembl geno...

● PomBase

Google trends compared to integrated genomic Databases PomBase shows sustained interest over time and consistently higher search-volume.

